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FUJIO, KEISHI

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<141> 2001-08-17

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<223> Description of Artificial Sequence: Primer

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ggtagggaat tccggaattt cctcgagatg

30

<210> 14

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 14

aaagattccc caggcgggtct cggtagcggt

30

<210> 15

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 15

aaagattcgc ttaacccgcc cctcctgccc ctggggg

36

<210> 16

<211> 38

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<410> 16

aaaggggagc atcagagaca ggcctggagc tttcc

38

<210> 17
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 17
aaacgcgagc tgtaccagaa tgaatggc

27

<210> 18
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 18
aaaggggccc ctcacttgtc agagcaagcc acatagct

38

<210> 19
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 19
aaaggggccc ctcagtcata agagcaagcc acatagct

38

<210> 20
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 20
aaaggggccc ctcagtcatt agagcaagcc acatagct

38

<210> 21
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 21
aaaggggccc ctcagtaata agagcaagcc acatagct

38

<210> 22
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 22
 aaagaattcg ggggtgtat catggac 27

<210> 23
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 23
 aaagtaacg gggtcacggt cgtagg 27

<210> 24
 <211> 8
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<400> 24
 Asp Tyr Lys Asp Asp Asp Asp Lys
 1 5

<210> 25
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 25
 agggatttc ggaatttc agagata 27

<210> 26
 <211> 29
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<411> 26

aaagggggg gggggggg gggggggg gggggggg gggggggg gggggggg gggggggg gggggggg

<211> 17

<211> 288

<212> FRT

<213> Mus sp.

<400> 27

Met Leu Lys Leu Leu Leu Ser Pro Arg Ser Phe Leu Val Leu Gln Leu
1 5 10 15Leu Leu Leu Arg Ala Gly Trp Ser Ser Lys Val Leu Met Ser Ser Ala
20 25 30Asn Glu Asp Ile Lys Ala Asp Leu Ile Leu Thr Ser Thr Ala Pro Glu
35 40 45His Leu Ser Ala Pro Thr Leu Pro Leu Pro Glu Val Gln Cys Phe Val
50 55 60Phe Asn Ile Glu Tyr Met Asn Cys Thr Trp Asn Ser Ser Ser Glu Pro
65 70 75 80Gln Ala Thr Asn Leu Thr Leu His Tyr Arg Tyr Lys Val Ser Asp Asn
85 90 95Asn Thr Phe Gln Glu Cys Ser His Tyr Leu Phe Ser Lys Glu Ile Thr
100 105 110Ser Gly Cys Gln Ile Gln Lys Glu Asp Ile Gln Leu Tyr Gln Thr Phe
115 120 125Val Val Gln Leu Gln Asp Pro Gln Lys Pro Gln Arg Arg Ala Val Gln
130 135 140Lys Leu Asn Leu Gln Asn Leu Val Ile Pro Arg Ala Pro Glu Asn Leu
145 150 155 160Thr Leu Ser Asn Leu Ser Glu Ser Gln Leu Glu Leu Arg Trp Lys Ser
165 170 175Arg His Ile Lys Glu Arg Cys Leu Gln Tyr Leu Val Gln Tyr Arg Ser
180 185 190Asn Arg Asp Arg Ser Trp Thr Glu Leu Ile Val Asn His Glu Pro Arg
195 200 205Phe Ser Leu Leu Ser Val Asp Ala Leu Lys Arg Tyr Thr Phe Arg Val
210 215 220Arg Ser Arg Tyr Asn Pro Ile Cys Gly Ser Ser Gln Gln Trp Ser Lys
225 230 235 240Trp Ser Val Pro Val His Trp Gly Ser His Thr Val Glu Glu Asn
245 250 255

<210> 18
 <211> 63
 <212> PRT
 <213> Mus sp.

<220>
 <221> MOD_RES
 <222> (29)..(47)
 <223> Variable amino acid

<400> 18
 Leu Leu Pro Cys Val Pro Asp Pro Ser Gly Ser Phe Pro Gly Leu Phe
 1 5 10 15
 Glu Lys His His Gly Asn Phe Gln Ala Trp Ile Ala Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Pro
 35 40 45
 Lys Ala Lys Arg Val Glu Pro Glu Asp Gly Thr Ser Leu Cys Thr
 50 55 60

<210> 19
 <211> 63
 <212> PRT
 <213> Mus sp.

<220>
 <221> MOD_RES
 <222> (29)..(44)
 <223> Variable amino acid

<400> 19
 Ile Trp Pro Gly Ile Pro Ser Pro Glu Ser Glu Phe Glu Gly Leu Phe
 1 5 10 15
 Thr Thr His Lys Gly Asn Phe Gln Leu Trp Leu Leu Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asp Pro Pro Ala
 35 40 45
 His Leu Glu Val Leu Ser Glu Pro Arg Trp Ala Val
 50 55 60

<210> 31
 <211> 63
 <212> PRT
 <213> Mus sp.

<220>
 <221> MOD_RES
 <222> (29)..(41)

<213> Variable amino acid

<211> 31

Leu Lys Tyr His Ile Pro Asp Pro Ser Glu Phe Phe Ser Gln Leu Ser
1 5 10 15

Ser Gln His Gly Gly Asp Leu Gln Lys Trp Leu Ser Xaa Xaa Xaa Xaa
20 25 30

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Pro Glu Ile Ser Pro Leu
35 40 45

Glu Val Leu Asp Gly Asp Ser Lys Ala Val
50 55

<210> 31

<211> 54

<212> PRT

<213> Mus sp.

<220>

<221> MOD_RES

<222> (19)..(38)

<223> Variable amino acid

<400> 31

Leu Trp Pro Asn Val Pro Asp Pro Ser Lys Ser His Ile Ala Gln Trp
1 5 10 15

Ser Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
20 25 30

Xaa Xaa Xaa Xaa Xaa Xaa Thr Asp Val Ser Val Val Glu Ile Glu Ala
35 40 45

Asn Asn Lys Lys Pro Cys
50

<210> 32

<211> 74

<212> PRT

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: Type 1 Cytokine
receptor

<221>

<222> MOD_RES

<223> (19)..(38)

<223> Variable amino acid

<400> 31

Trp Lys Glu Lys Ile Pro Asn Pro Ser Lys Ser Leu Leu Phe Gln Asp
1 5 10 15

Gly Gly Lys Gly Leu Trp Pro Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 10 20 30

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asn Asn Val Ser Pro Leu
 50 55 60

Thr Ile Glu Asp Pro Asn Ile Ile Arg Val
 65 70

<210> 33

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Illustrative
 peptide

<400> 33

Leu Glu Val Leu

1

<210> 34

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Illustrative
 peptide

<220>

<221> MOD_RES

<222> (3')

<223> Variable amino acid

<400> 34

Trp .er Xaa Trp Ser

1

5

<210> 35

<211> 230

<212> PRT

<213> Mus musculus

<400> 35

Met Ala Trp Ala Leu Ala Val Ile Leu Leu Pro Arg Leu Leu Thr Ala

1

1

11

15

Ala Ala Ala Ala Ala Ala Val Thr Ser Arg Gly Asp Val Thr Val Val

21

25

30

Cys His Asp Leu Gln Thr Val Glu Val Thr Trp Gly Ser Gly Pro Asp
 35 40 45
 His His Gly Ala Asn Leu Ser Leu Glu Phe Arg Tyr Gly Thr Gly Ala
 50 55 60
 Leu Gln Pro Cys Pro Arg Tyr Phe Leu Ser Gly Ala Gly Val Thr Ser
 65 70 75 80
 Gly Cys Ile Leu Pro Ala Ala Arg Ala Gly Leu Leu Glu Leu Ala Leu
 85 90 95
 Arg Asp Gly Gly Gly Ala Met Val Phe Lys Ala Arg Gln Arg Ala Ser
 100 105 110
 Ala Trp Leu Lys Pro Arg Pro Pro Trp Asn Val Thr Leu Leu Trp Thr
 115 120 125
 Pro Asp Gly Asp Val Thr Val Ser Trp Pro Ala His Ser Tyr Leu Gly
 130 135 140
 Leu Asp Tyr Glu Val Gln His Arg Glu Ser Asn Asp Asp Glu Asp Ala
 145 150 155 160
 Trp Gln Thr Thr Ser Gly Pro Cys Cys Asp Leu Thr Val Gly Gly Leu
 165 170 175
 Asp Pro Ala Arg Cys Tyr Asp Phe Arg Val Arg Ala Ser Pro Arg Ala
 180 185 190
 Ala His Tyr Gly Leu Glu Ala Gln Pro Ser Glu Trp Thr Ala Val Thr
 195 200 205
 Arg Leu Ser Gly Ala Ala Ser Ala Ala Ser Cys Thr Ala Ser Pro Ala
 210 215 220
 Pro Ser Pro Ala Leu Ala
 225 230

<210> 36

<211> 255

<212> FRT

<213> Mus musculus

<400> 36

Met Leu Lys Leu Leu Leu Ser Pro Arg Ser Phe Leu Val Leu Gln Leu
 1 5 10 15
 Leu Leu Leu Arg Ala Gly Trp Ser Ser Lys Val Leu Met Ser Ser Ala
 20 25 30
 Asn Glu Asp Ile Lys Ala Asp Leu Ile Leu Thr Ser Thr Ala Pro Glu
 35 40 45
 His Leu Ser Ala Pro Thr Leu Pro Leu Pro Glu Val Glu Cys Phe Val
 50 55 60

Phe Asn Ile Gln Tyr Met Asn Cys Thr Trp Asn Ser Ser Ser Gln Pro
 65 75 80
 Gln Ala Thr Asn Leu Thr Leu His Tyr Arg Tyr Lys Val Ser Asp Asn
 85 90 95
 Asn Thr Phe Gln Glu Cys Ser His Tyr Leu Phe Ser Lys Glu Ile Thr
 100 105 110
 Ser Gly Cys Gln Ile Gln Lys Glu Asp Ile Gln Leu Tyr Gln Thr Phe
 115 120 125
 Val Val Gln Leu Gln Asp Pro Gln Lys Pro Gln Arg Arg Ala Val Gln
 130 135 140
 Lys Leu Asn Leu Gln Asn Leu Val Ile Pro Arg Ala Pro Glu Asn Leu
 145 150 155 160
 Thr Leu Ser Asn Leu Ser Glu Ser Gln Leu Glu Leu Arg Trp Lys Ser
 165 170 175
 Arg His Ile Lys Glu Arg Cys Leu Gln Tyr Leu Val Gln Tyr Arg Ser
 180 185 190
 Asn Arg Asp Arg Ser Trp Thr Glu Leu Ile Val Asn His Glu Pro Arg
 195 200 205
 Phe Ser Leu Pro Ser Val Asp Glu Leu Lys Arg Tyr Thr Phe Arg Val
 210 215 220
 Arg Ser Arg Tyr Asn Pro Ile Cys Gly Ser Ser Gln Gln Trp Ser Lys
 225 230 235 240
 Trp Ser Gln Pro Val His Trp Gly Ser His Thr Val Glu Glu Asn
 245 250 255

02100 37
 02110 28
 02120 PRT
 02130 Mus musculus

04000 37
 Leu Leu Pro Cys Val Pro Asp Pro Ser Gly Ser Phe Pro Gly Leu Phe
 1 5 10 15
 Glu Lys His His Gly Asn Phe Gln Ala Trp Ile Ala
 20 25

02110 37
 02120 10
 02130 PRT
 02140 Mus musculus

04010 37
 Pro Lys Ala Lys Arg Val Glu Pro Glu Asp Gly Thr Ser Leu Cys Thr
 1 5 10 15

<210> 39
 <211> 18
 <212> PRT
 <213> Mus musculus

<400> 39
 Ile Trp Pro Gly Ile Pro Ser Pro Glu Ser Glu Phe Glu Gly Leu Phe
 1 5 10 15
 Thr Thr His Lys Gly Asn Phe Gln Leu Trp Leu Leu
 20 25

<210> 40
 <211> 16
 <212> PRT
 <213> Mus musculus

<400> 40
 Asp Pro Pro Ala His Leu Glu Val Leu Ser Glu Pro Arg Trp Ala Val
 1 5 10 15

<210> 41
 <211> 28
 <212> PRT
 <213> Mus musculus

<400> 41
 Leu Lys Cys His Ile Pro Asp Pro Ser Glu Phe Phe Ser Gln Leu Ser
 1 5 10 15
 Ser Gln His Gly Gly Asp Leu Gln Lys Trp Leu Ser
 20 25

<210> 42
 <211> 16
 <212> PRT
 <213> Mus musculus

<400> 42
 Pro Glu Ile Ser Pro Leu Glu Val Leu Asp Gly Asp Ser Lys Ala Val
 1 5 10 15

<210> 43
 <211> 14
 <212> PRT
 <213> Mus musculus

<400> 43
 Ile Trp Pro Asn Val Pro Asp Pro Ser Lys Ser His Ile Ala Gln Trp
 1 5 10 15
 Ser Pro

<211> 44
 <211> 16
 <212> PRT
 <213> Mus musculus

<412> 44
 Thr Asp Val Ser Val Val Glu Ile Glu Ala Asn Asn Lys Lys Pro Cys
 1 5 10 15

<210> 45
 <211> 24
 <212> PRT
 <213> Mus musculus

<400> 45
 Trp Lys Glu Lys Ile Pro Asn Pro Ser Lys Ser Leu Leu Phe Gln Asp
 1 5 10 15

Gly Gly Lys Gly Leu Trp Pro Pro
 20

<210> 46
 <211> 16
 <212> PRT
 <213> Mus musculus

<400> 46
 Asn Asn Val Ser Pro Leu Thr Ile Glu Asp Pro Asn Ile Ile Arg Val
 1 5 10 15